

L7 ANSWER 14 OF 15 CA COPYRIGHT 2006 ACS on STN
AN 90:75729 CA
ED Entered STN: 12 May 1984
TI Mixture of building materials for moldings
IN Hatschek, Fritz; Kirchmayr, Karl; Kraessig, Hans; Teichmann, Helmut
PA Eternit-Werke Ludwig Hatschek, Austria; Chemiefaser Lenzing A.-G.
SO Ger. Offen., 19 pp.
CODEN: GWXXBX

DT Patent
LA German
IC C04B031-34
CC 58-5 (Cement and Concrete Products)
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--------------|------|----------|-----------------|----------|
| PI | DE 2816457 | A1 | 19781102 | DE 1978-2816457 | 19780415 |
| | AT 355486 | B | 19800310 | AT 1977-2759 | 19770420 |
| | AT 7702759 | A | 19790715 | | |
| PRAI | AT 1977-2759 | A | 19770420 | | |

CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|------------|-------|------------------------------------|
| DE 2816457 | IC | C04B031-34 |
| | IPCI | C04B0031-34; B28B0001-52 |
| AT 355486 | IPCI | C04B0031-34 |

AB Mixts., in particular those for the preparation of building materials such as sheeting or tubing are formed from hydraulic bonding materials such as cements, fibrous materials, fillers, and water. The fibrous materials are preferentially synthetic fibers from hydrophilic polymers such as polyalkylenes, polyesters and the like or copolymers from polyamides or polyesters. The fibrous material is essentially in short staple form and may be mixed with asbestos or other inorg. fibers, e.g. stone, glass fiber, etc. For better retention of the hydraulic bonding material on the fiber, 0.01-2 weight% cationic polyelectrolyte may be added. The mixture of fiber and bonding agent together with fillers and water is processed by sieving and forming. The mixture may be sprayed, pressed, poured, or extruded. Thus, 2 polyethylene [9002-88-4] fiber and 80 parts water are mixed 30 min and the slurry is pumped into a mixing vat along with 18 parts portland cement. The mixture is deposited on a revolving cylindrical sieve and then conveyed to a rotary forming pan to form a 6 mm thick sheet. The resulting plate is hardened by storing 28 days.

ST polyethylene fiber cement sheet

IT Cement

(building sheets from polyethylene fibers and)

IT Synthetic fibers

RL: USES (Uses)

(polyethylene, building sheets from cement and)

IT Building materials

(sheet, from cement containing polyethylene fibers)